

INTERNATIONAL CASEMENT CO. INC

(Member of the Producers Council)

• MANUFACTURERS • OF • CASEMENT • WINDOWS •
• IN • STEEL • BRONZE • AND • ALUMINUM •
• J A M E S T O W N • N E W • Y O R K •

THE FOLLOWING PAGES ARE OFFERED IN
GENERAL DESCRIPTION OF OUR PRODUCTS.
MORE COMPREHENSIVE DETAILS WITH COM-
plete SPECIFICATIONS ARE AVAILABLE IN
THE CATALOGUES LISTED ON PAGE 14.

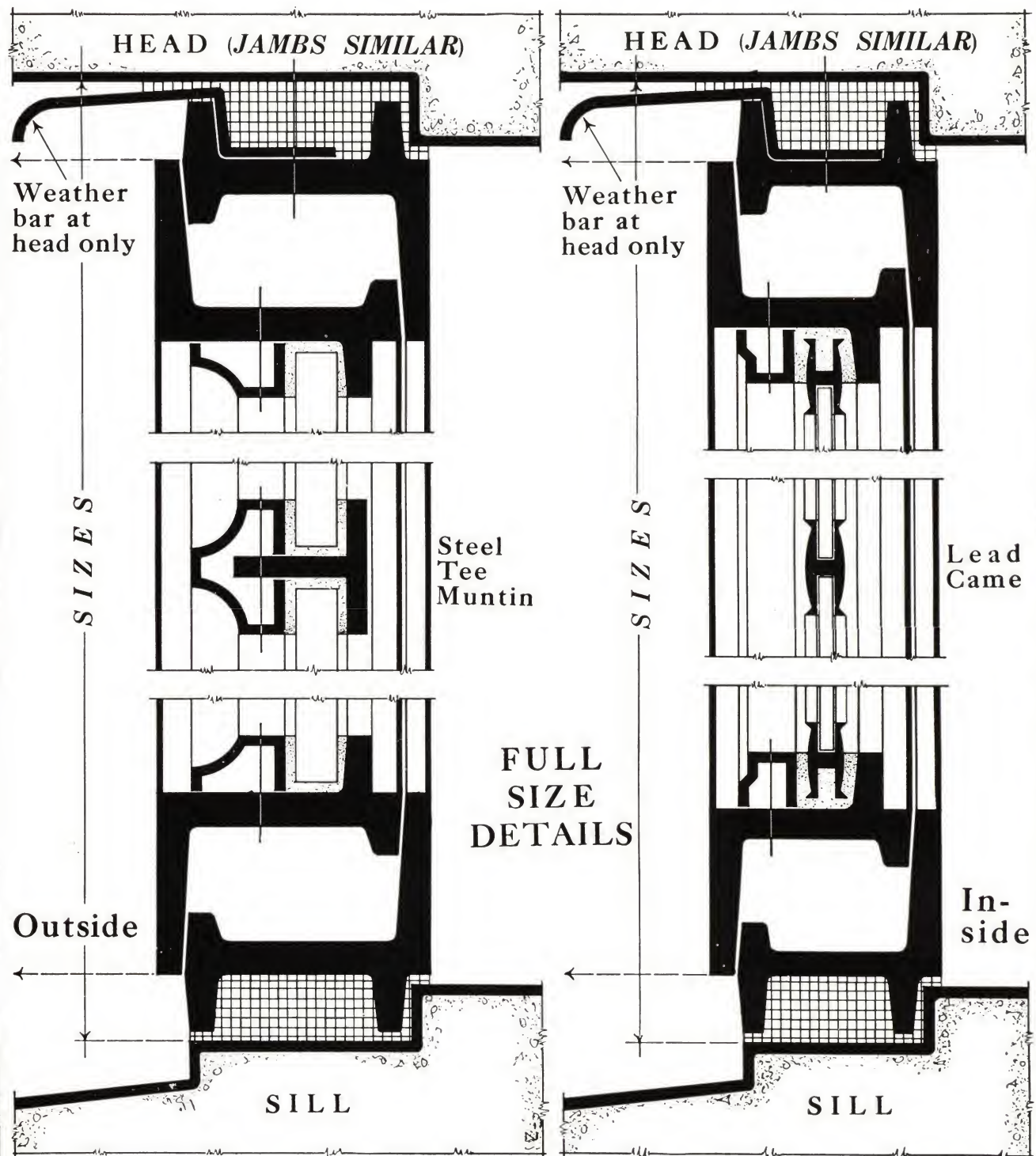
“There is hardly anything in the world that some
man cannot make a little worse and sell a little
cheaper and the people who consider price only
are this man's lawful prey.” —*John Ruskin*

SALES OFFICES

NEW YORK, N. Y., 101 Park Ave.	BOSTON, MASS., 201 Devonshire Street
ST. LOUIS, MO. 417 Chemical Building	LOS ANGELES, CAL., 308 Transportation Bldg.
ATLANTA, GA., 808 Forsyth Bldg.	WASHINGTON, D. C., 1005 Hill Bldg.
SEATTLE, WASH., 402 Terminal Sales Bldg.	INDIANAPOLIS, IND., 825 Architects and Builders Bldg.
CHICAGO ILL., 520 N. Michigan Ave.	CLEVELAND, O., 509 Empire Bldg.

Agents in all principal cities

CASEMENTS OPENING OUTWARDS



HEAVY SECTION NO. 3000

Maximum size 3' 0" x 8' 0".

Weight of combined sections 4.61 lbs. per lineal foot.

MEDIUM SECTION NO. 1000

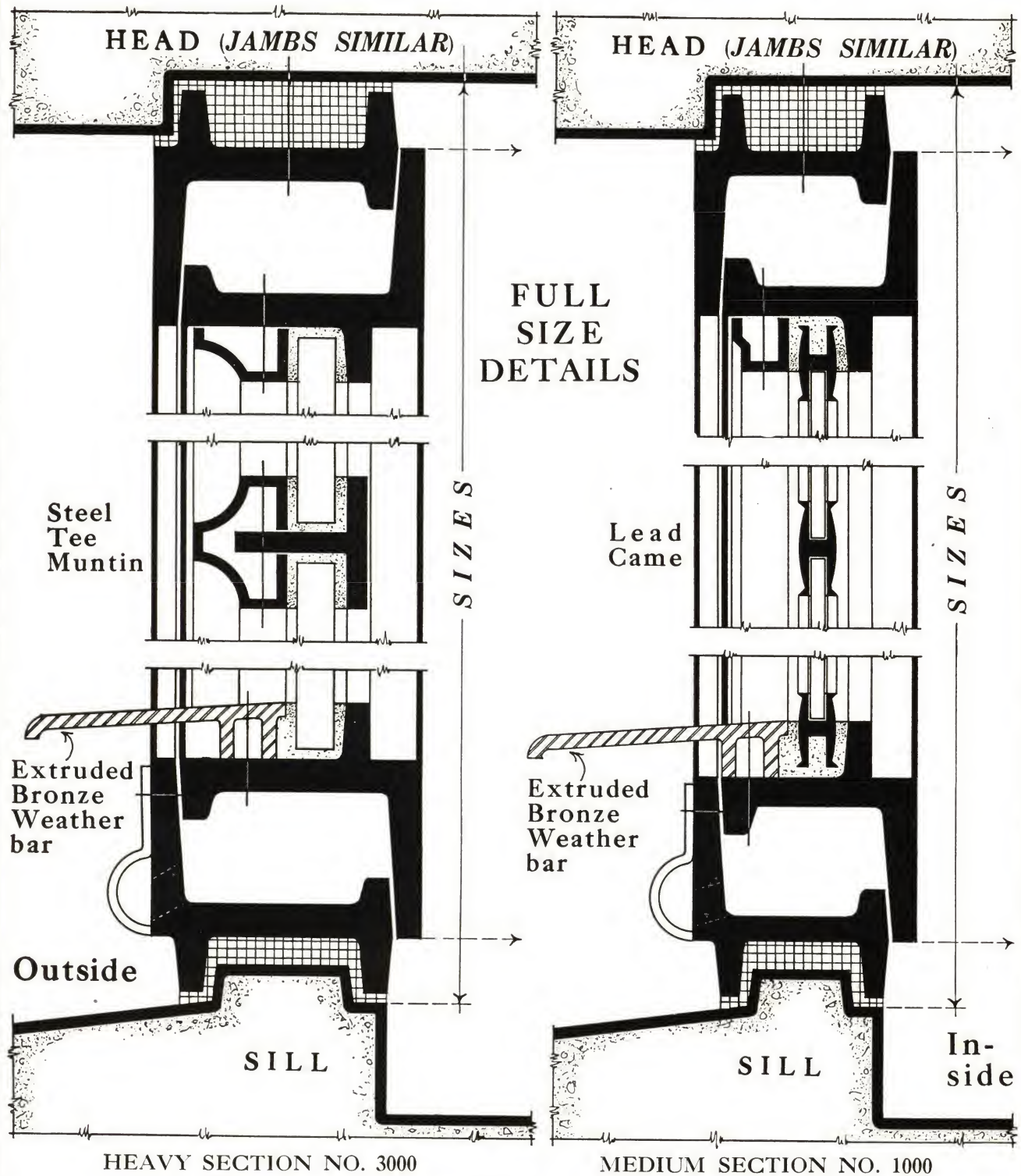
Maximum size 2' 6" x 6' 0".

Weight of combined sections 3.55 lbs. per lineal foot.

SIDE HUNG CASEMENTS—TOP HUNG CASEMENTS SIMILAR

Our sections No. 3000 and No. 1000 may be glazed either from outside or from inside. Appearance usually governs choice, but we recommend outside glazing.

CASEMENTS OPENING INWARDS

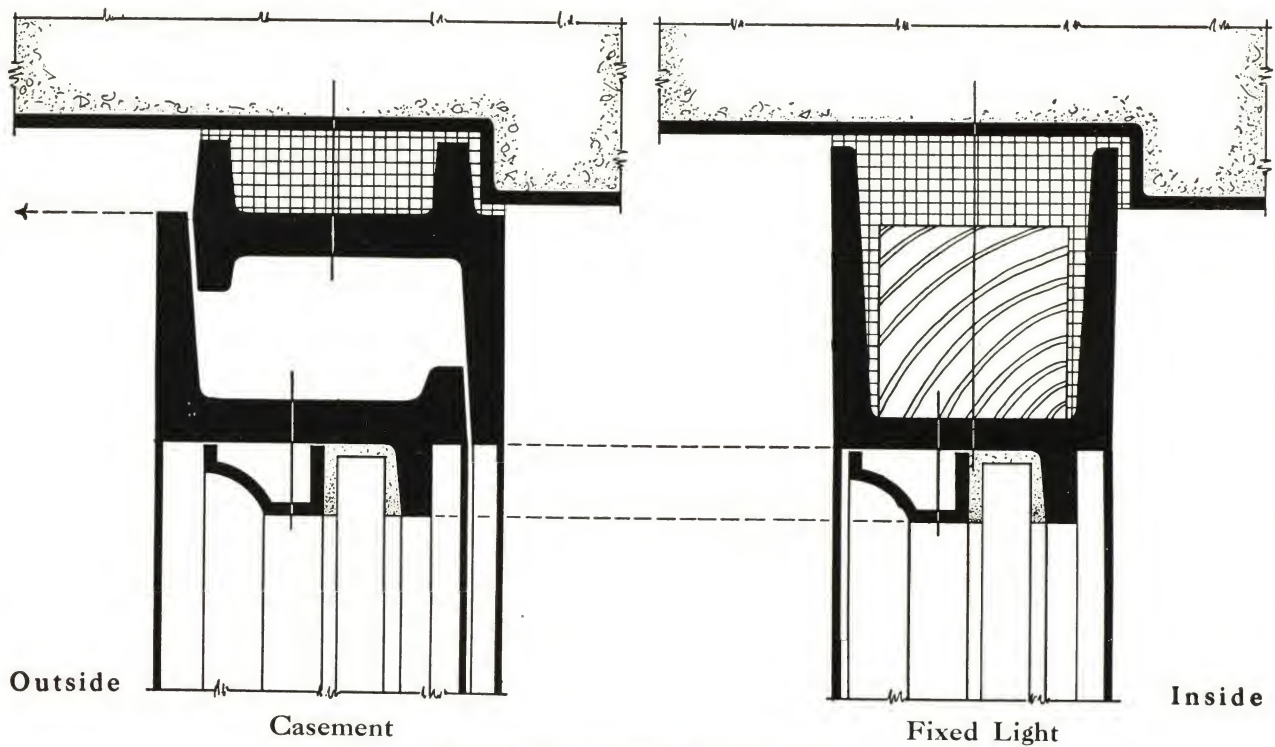


For maximum sizes and weights of sections, see preceding page

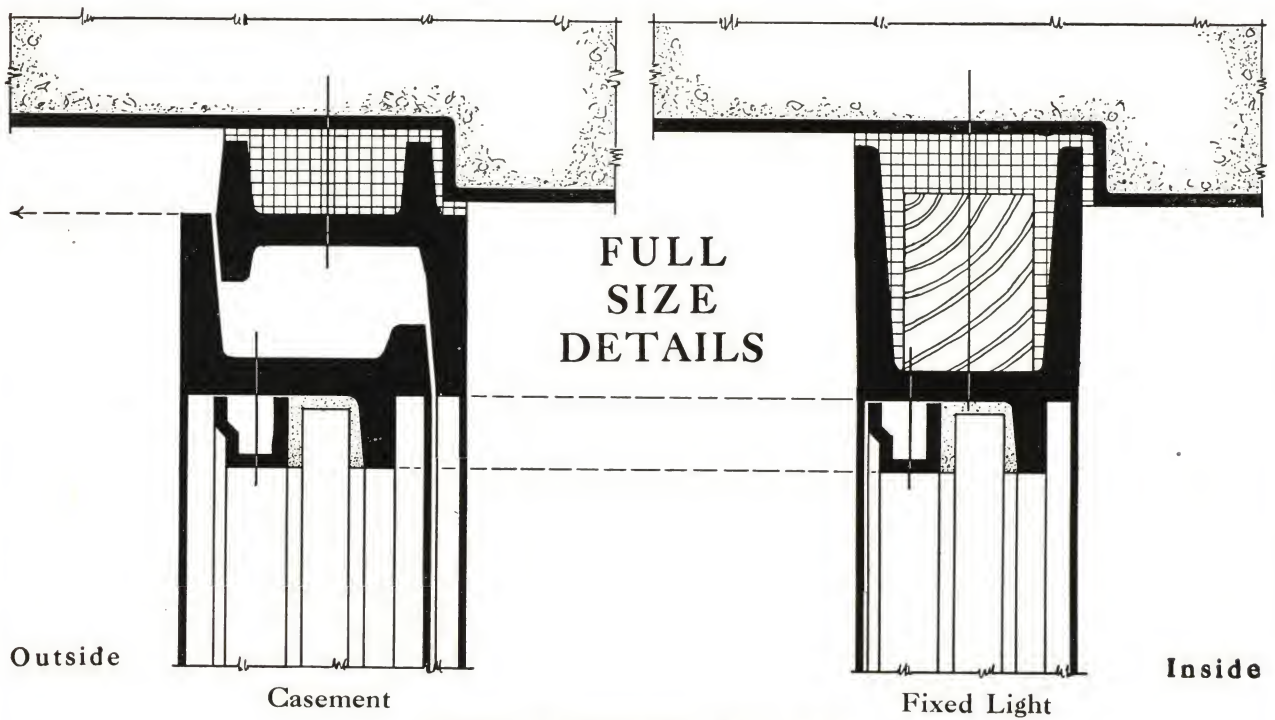
SIDE HUNG CASEMENTS—BOTTOM HUNG CASEMENTS SIMILAR

Our sections No. 3000 and No. 1000 may be divided into panes by tee bar muntins, or they may be prepared to receive leaded glass or single sheets of plate glass. For casements with large sheets of glass, and for all best work, we recommend glazing beads.

FIXED LIGHTS



HEAVY SECTION NO. 3000

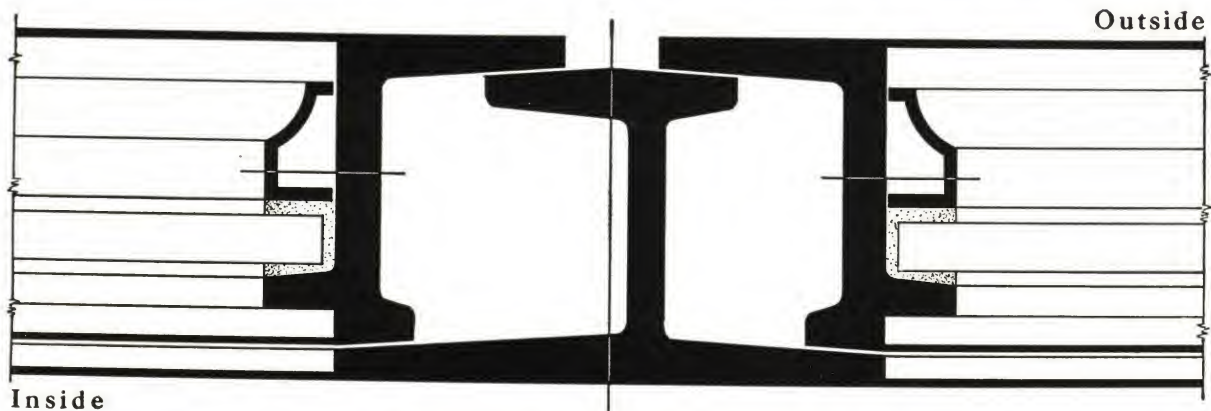


FULL SIZE DETAILS

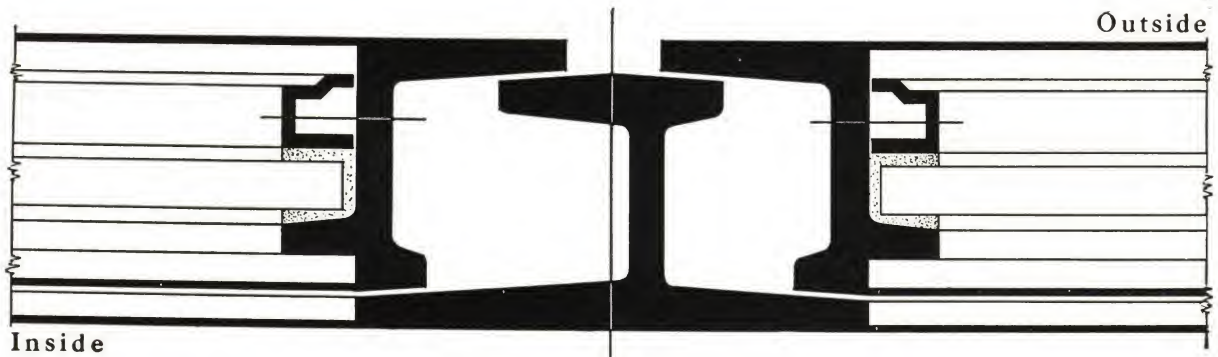
MEDIUM SECTION NO. 1000

Fixed lights are of solid rolled channel sections with sight lines and glass plane designed to match and line up with the corresponding features of the casements.

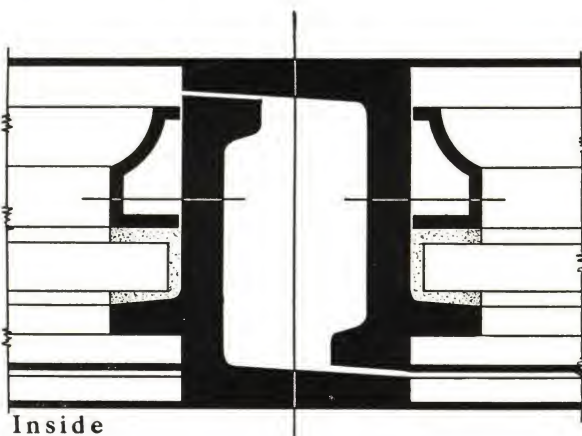
MULLIONS AND MEETING BARS



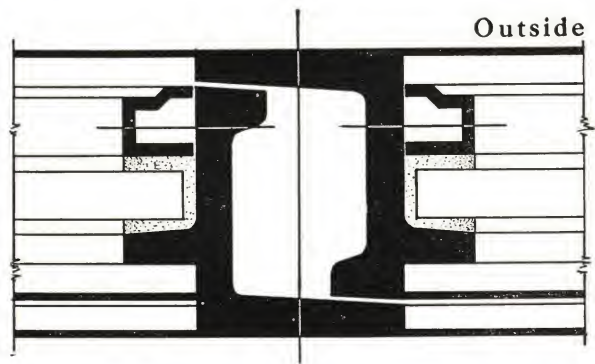
MULLION SECTION NO. 3000



MULLION SECTION NO. 1000



MEETING BAR SECTION NO. 3000



MEETING BAR SECTION NO. 1000

FULL SIZE DETAILS

These mullions and meeting bars are shown for outward opening double casements. They will be reversed for inward opening casements. Glazing is shown from outside, but inside glazing can be arranged for by reversing the sections.

SPECIFICATIONS

Form of Specification for Custom Made Casements

All windows shall be the INTERNATIONAL CASEMENT CO. INC. steel casement windows, manufactured in Jamestown, New York, and made from solid rolled steel sections of suitable design and weight for the size of the openings. This contractor shall not commence fabrication until shop drawings bear the approval stamp of the architects. All bars shall be hydraulically straightened and free from hammer marks or distortions of any kind. All corners shall be accurately machined, electrically welded and cleaned free from flux. Frames and casements shall be solid welded units and shall provide continuous double weathering contact without the aid of loose or applied linings. Horizontally and vertically pivoted casements shall be hung on patent bronze cup pivots. The former shall be fitted with solid bronze spring catch, cord eye and pulley and the latter with solid bronze fasteners and double bar adjusters; when more than 5 ft. high, double grip bolts shall be supplied. Top hung, bottom hung and side hung casements shall be hung on drop forged steel pivots bronze bushed. Top hung casements shall be fitted with solid bronze cam opener capable

of convenient pole operation. Bottom hung casements shall be fitted with solid bronze spring catches and concealed friction side arms. Side hung casements both outward and inward opening over 5 ft. high shall be fitted with solid bronze fasteners having double grip bolts, double bar adjusters, and intermediate hinges: under 5 ft. the double grip bolts and intermediate hinges shall be omitted. All hardware shall be individually fitted by skilled mechanics at the factory. Fixed sash shall be made from channel sections which provide the same sight line and glass plane as the casements. Moulded steel glazing beads attached with brass screws and having mitered corners shall be neatly fitted to casements and fixed sash. All steel work shall be cleaned free from rust and scale and painted two coats DuPont special rust-resisting paint, each coat baked on separately. The installation of the windows shall form part of this contractor's work. Windows to be properly bedded and pointed inside and out with International mastic cement, the whole guaranteed weathertight. Glass and glazing by glazing contractor; field painting by painting contractor.

Form of Specification for "Biltin" Sub-frames

All sub-frames, mullions, transom bars, swinging and stationary sash, to be of steel, bronze or aluminum as manufactured by the INTERNATIONAL CASEMENT CO. INC., Jamestown, N. Y.

This contractor shall furnish and deliver to the building International "Biltin" sub-frames of type and profile shown on drawings, in time to suit the requirements of the building. Sub-frames shall be of No. 12 gauge steel, with corners welded solid to form one complete frame, except where of too great a size for shipment in ordinary box cars, in which event they shall be assembled at the factory with screwed and plated joints, disassembled, packed and shipped "K. D." for assembly by general contractor. All corners shall be properly cleaned off and the sub-frames shall be painted two heavy coats of spe-

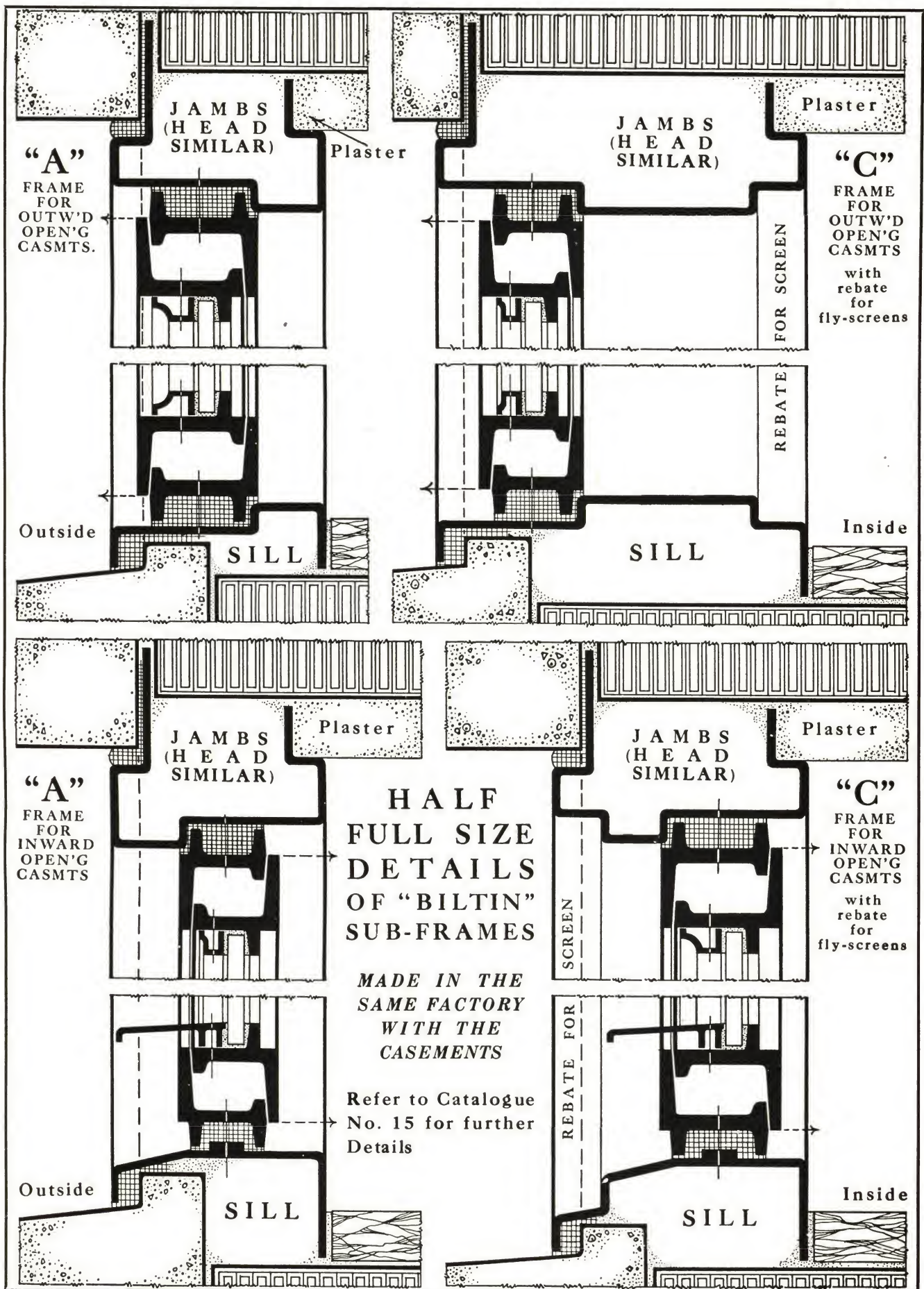
cial rust-resisting paint, each coat separately baked on. They shall be set up plumb and true and built in and pointed by the mason contractor as the walls go up. The wood spreaders or braces which are included to insure the sub-frames hold square and true to shape shall be left in until the casements are installed.

After plastering is completed, this contractor shall remove braces and shall install casements, taking care that the joints between the casements and the sub-frames are properly filled with International Mastic Cement neatly pointed inside and out. All casements shall be properly adjusted and shall operate freely and smoothly before acceptance by the architect.

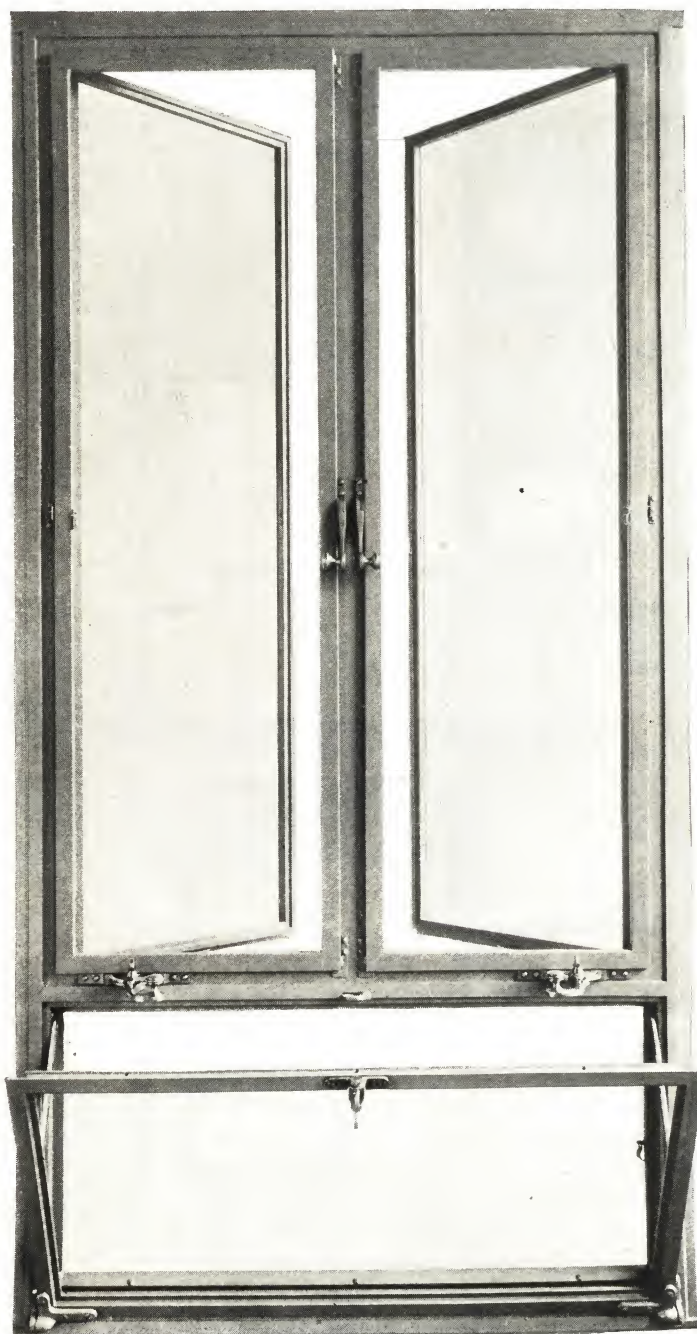
Please refer to our branch offices for specifications covering bronze or aluminum.

Standard Cotswold Casement specifications are given on Page 11.

Screened Casement specifications are given on Page 12.



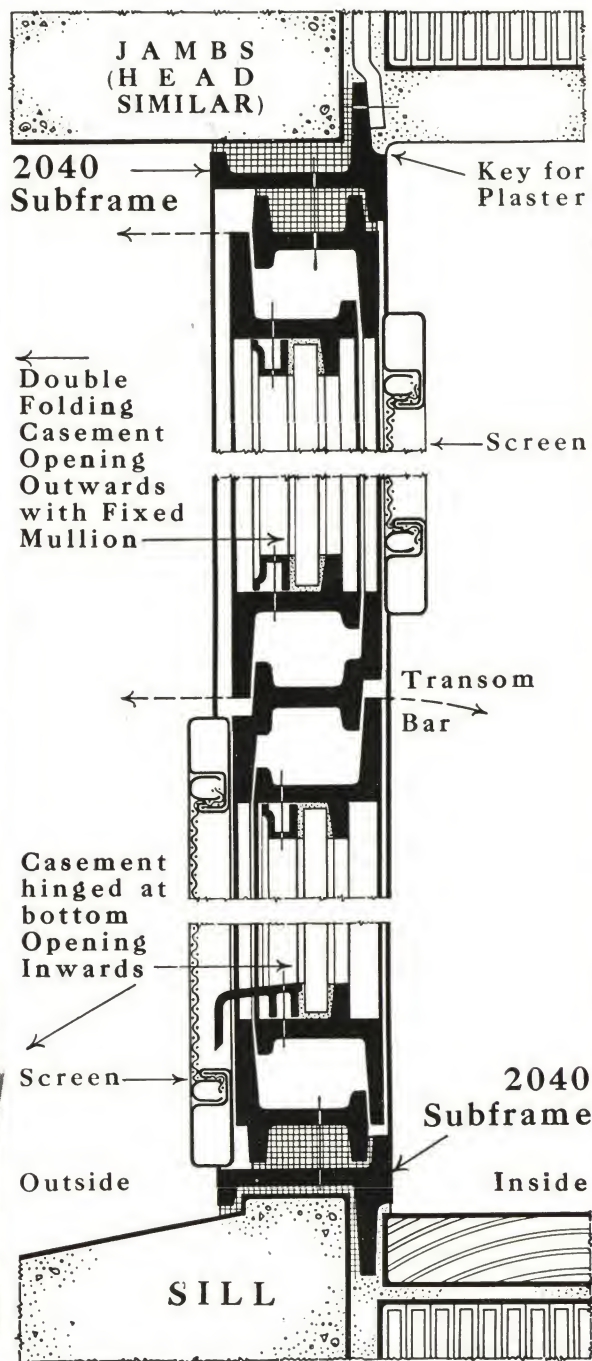
THE "HOPKINS" WINDOW



THE "HOPKINS" WINDOW

Made in custom and standard sizes

The International "Hopkins" Window (illustrated above) is particularly suitable for public buildings, hospitals, courthouses and schools where permanency of construction, control of ventilation and simplicity of operation are desirable. The frames and casements of these windows are solid welded units and continuous double weathering contact is provided without the aid of loose or applied linings. This method is more expensive than the forming of con-



Half Full Size Section

tacts by the riveting or spot welding of separate linings, but it ensures permanent construction and avoids the troubles which follow when linings are forced away by corrosion, leaving the windows useless and sometimes dangerous.

The section used is our Medium Section 1000 having a combined weight of casement and frame of 3.55 lbs. per lineal foot.

Note: For full specifications, refer to Booklet No. 18 or to any of our offices.

INTERNATIONAL AUSTRAL WINDOWS

In Steel and Bronze for Office Buildings and Schools



GIRLS' SENIOR HIGH SCHOOL, ATLANTA, GA.
EDWARDS & SAYWARD, Architects

Specifications International Austral Windows

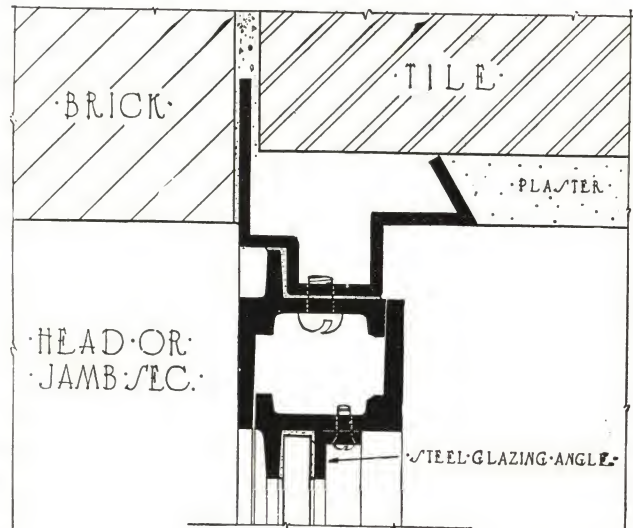
Windows where marked on plans to be copper-bearing steel with Austral balance arms as manufactured by the INTERNATIONAL CASEMENT CO. INC., Jamestown, N. Y. Sub-frames of No. 12 gauge steel, with welded corners, painted two priming coats, each coat separately baked on, to be delivered to building site, but same to be set up, built in and calked by mason contractor.

Sash to be of special shapes, made of copper-bearing steel. All bars hydraulically straightened, corners electrically welded and cleaned free from flux.

Frames and sash carefully fitted to insure absolute weathertightness. Fit with steel glazing beads (glass stops) set with brass screws. Clean all steel work free from rust and scale and paint two heavy priming coats, each coat separately baked on.

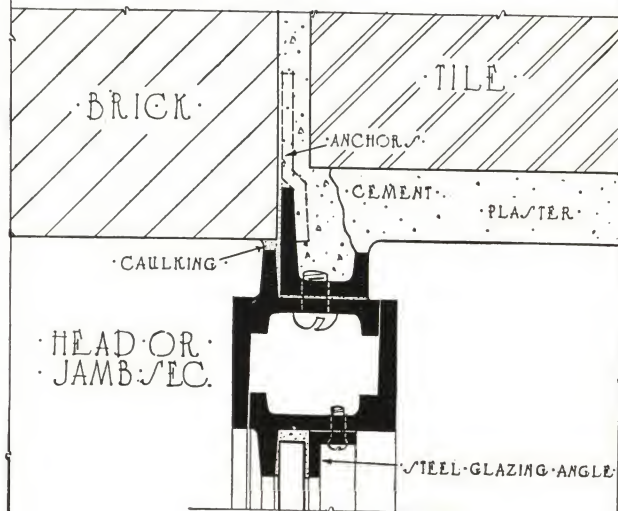
This contractor shall furnish all necessary hardware and fittings as follows: galvanized drop-forged steel window cleaner's bolts, shade brackets for both upper and lower sash with roller guides to hold cords. Polished cast bronze automatic cam catch and pull. The sash shall be erected by this contractor after the plastering is completed. Same to be bedded and pointed in mastic cement and secured to sub-frame by machine screws. All to be finished in a workmanlike manner and guaranteed weathertight.

Note: For complete specifications and details refer to our Austral Window Catalogue No. 13.



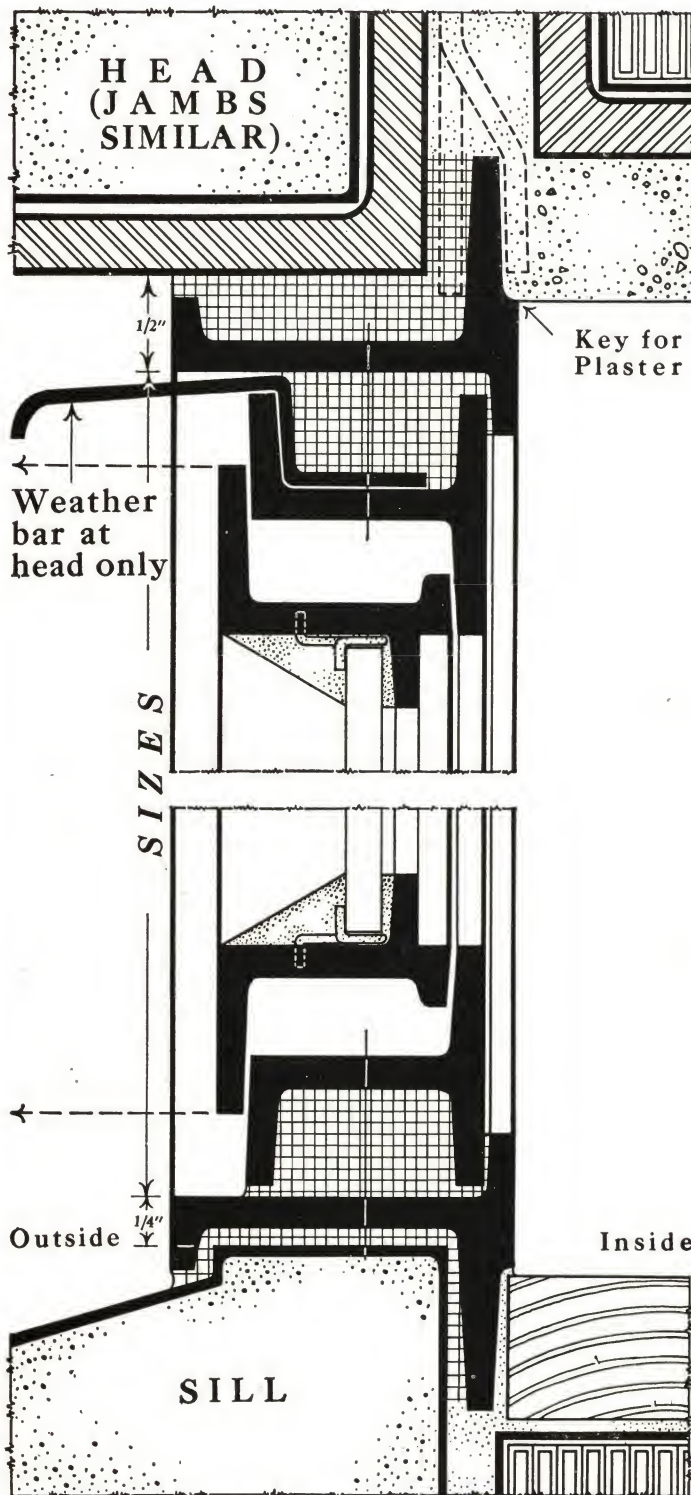
NO. 12 GA. PRESSED STEEL
FRAME BUILT INTO MASONRY
OPENINGS FOR INTERNATIONAL
AUSTRAL ROLLED STEEL SASH

ONE HALF FULL SIZE
DETAILS



NO. 86 ROLLED STEEL
CHANNEL SECTION SET
WITH INTERNATIONAL -
AUSTRAL ROLLED STEEL
SASH

ROLLED STEEL SUB-FRAMES NO. 2040



FULL SIZE DETAILS

Showing a standard Cotswold Casement installed in a Standard No. 2040 sub-frame.

In 1920 we designed a solid rolled steel No. 2040 sub-frame for use in masonry openings having plastered reveals, where a narrow sight line was desirable and where low cost was an important factor.

Bonded into the masonry openings as the walls are being built, this sub-frame provides a perfectly weathertight joint and permits the plastering to be completed before the casements are installed.

It has enjoyed nation-wide acceptance and is a big improvement over the construction which requires loose angle linings, without being very much more expensive.

We keep No. 2040 sub-frames in stock in standard sizes for use with our Cotswold range of standard casements. They can also be supplied in custom shapes and sizes at a slight extra cost.

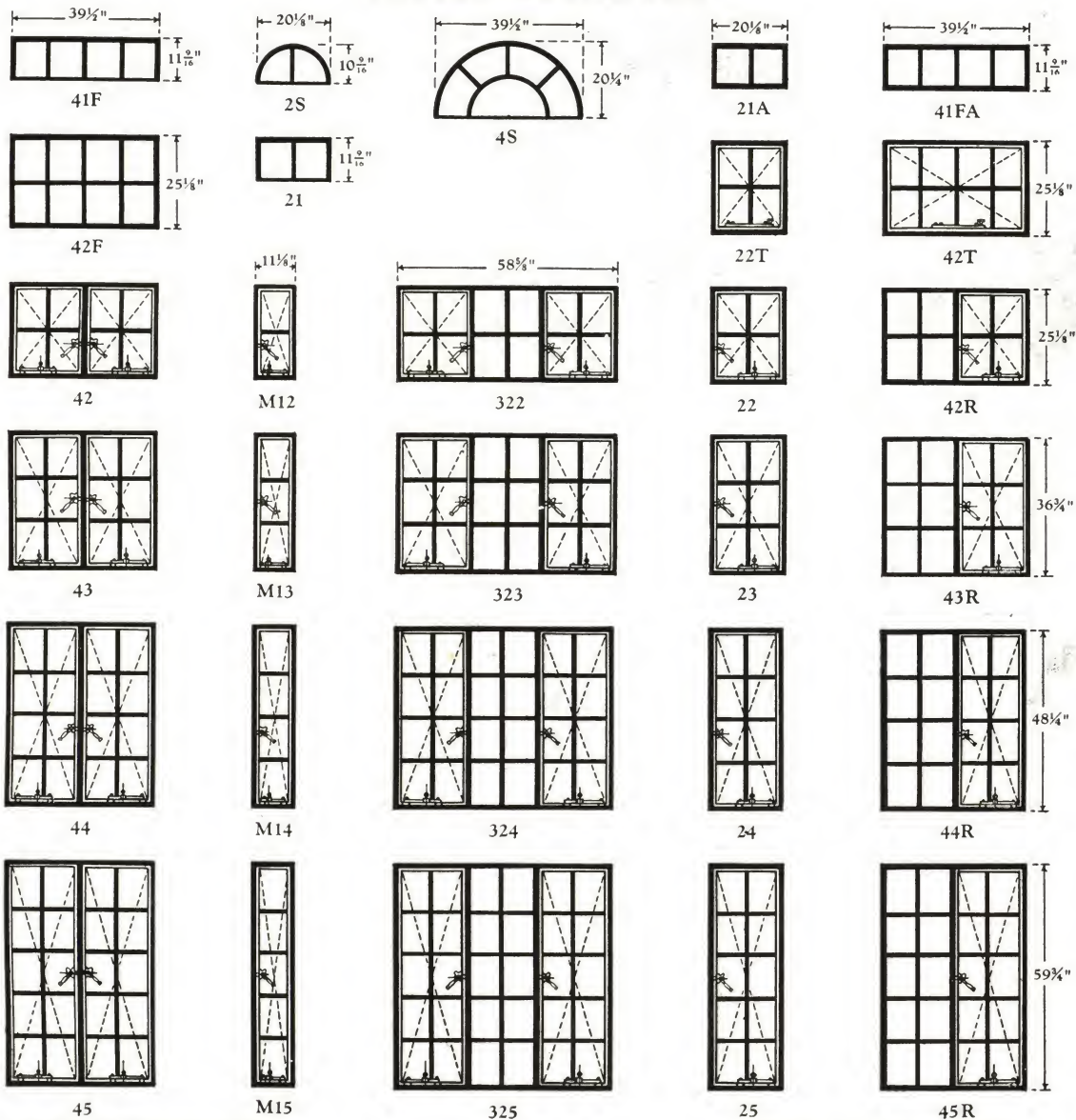
Form of Specification for No. 2040 Rolled Steel Sub-frames

All casement windows and sub-frames shall be of solid rolled steel sections as manufactured by the INTERNATIONAL CASEMENT CO. INC., Jamestown, N. Y.

This contractor shall furnish and deliver to the building International "No. 2040" sub-frames to the shapes and sizes shown on the drawings. When specifying 2040 frames for Standard Cotswold Casements, specify that they are to be in standard types and sizes as shown by reference numbers on elevations in accordance with the standards established by International. They shall be painted two heavy coats of special rust resisting paint, each coat separately baked on, and they shall be delivered to the site in time to meet the requirements of the building. They shall be set up plumb and true and built in and pointed by the mason contractor as the walls go up. The wood spreaders or braces which are included to insure the sub-frames hold square and true to shape shall be left in until the casements are installed. After plastering is completed, this contractor shall remove braces and shall install casements, taking care that the joints between casements and sub-frames are properly filled with International Mastic Cement neatly pointed inside and out. All casements shall be properly adjusted and shall operate freely and smoothly before acceptance by the architect.

Note: For more comprehensive details, refer to Catalogue No. 15.

STANDARD COTSWOLD CASEMENTS AND DOORS



OUTSIDE ELEVATIONS

SCALE: $\frac{1}{4}$ " TO A FOOT

Casement Description

Types 41F, 2S, 4S and 21 are fixed sash and are suitable for composite units only. Types 21A, 41FA and 42F are also fixed sash but are suitable as transom lights in single openings. Types 22T and 42T are casements hinged at top opening outwards fitted with solid bronze peg adjuster. All other casements are hinged at side opening outwards. The single casements are shown as right-hand casements but can be supplied left-hand if desired. Types 42R, 43R, 44R and 45R are right-hand casements. They can be supplied with left-hand casements and will then be of the following corresponding types: 42L, 43L, 44L and 45L. The above are all fitted with tee-bar muntins.

Leaded Glass—All the above types can be supplied for use with leaded glass (muntins being omitted). See pages 10, 11 and 12 of the Cotswold Catalogue No. 14.

Cotswold Casement Specification

(1) Casements of Cotswold type, made from heavy two-point steel section (not Cottage Sections) hinged at side opening outwards painted two coats of rust resisting paint, each coat separately baked on, hung on drop forged steel pivots bronze bushed and fitted with solid bronze hardware of standard design.

(2) Furnish leaded glass of standard sizes and design, first quality D.S.A. glass $\frac{5}{8}$ -in. lead comes, all horizontal comes steel reinforced.

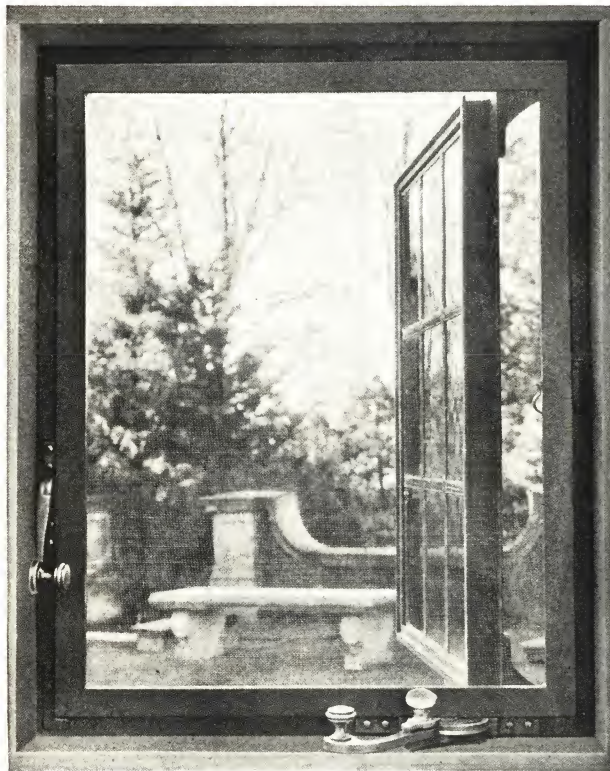
(3) If steel muntins are required omit paragraph 2 and specify steel muntins to be furnished.

(4) The whole to be set by sash contractor and guaranteed weathertight.

Cotswold Doors

For further information and details of Cotswold Casements and Cotswold Doors, see Catalogue No. 14.

INTERNATIONAL SCREENED CASEMENTS



SCREENED COTSWOLD CASEMENT, TYPE 33x0

Specifications for International Screened Casements

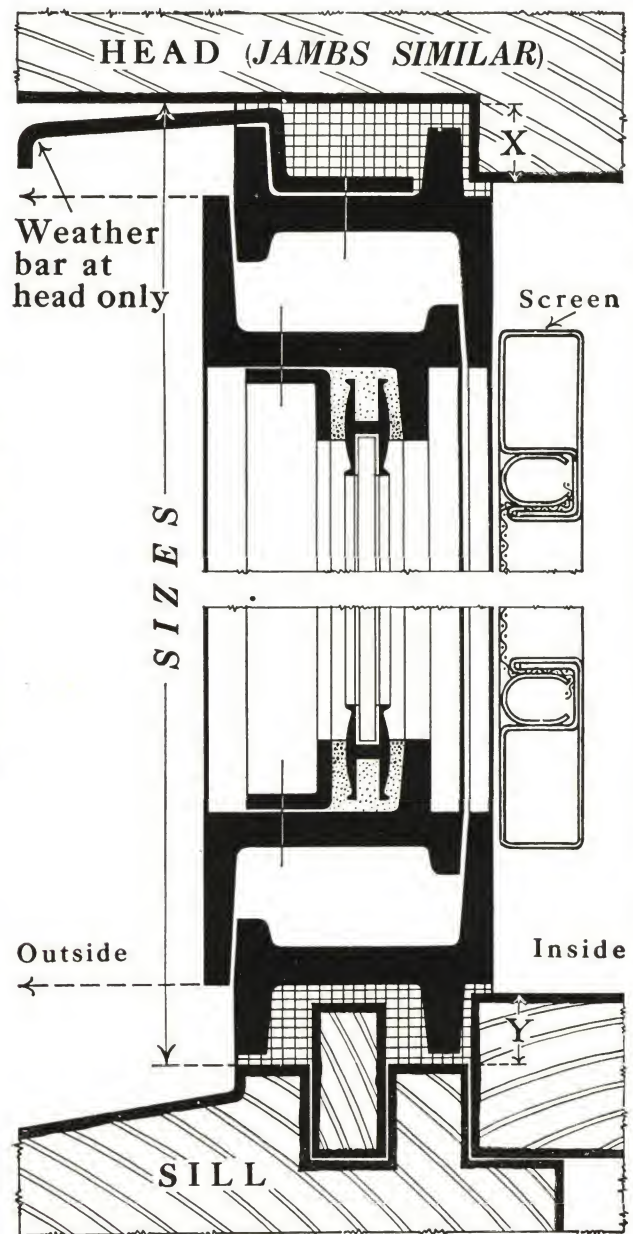
All windows shall be International Solid Steel Cotswold Casements with integral screens as manufactured by the INTERNATIONAL CASEMENT CO. INC., Jamestown, N. Y., in the standard types and sizes they have established and as shown by reference numbers on the elevations.

(When specifying custom made casements, state that they are to be made to shapes and sizes shown on the drawings, and to consist of heavy three-point sections or Universal two-point sections, to suit the sizes of the openings).

All casements shall be hung on drop-forged bronze bushed steel pivot hinges of the projecting type, to facilitate cleaning, and shall be fitted with bronze casement fasteners and adjusters so designed and fitted as to permit the proper operation of the casement without any slots or holes through the screen. All steel work shall be painted one coat of special rust-resisting primer and one coat of gray, each coat baked on separately.

If casements with muntins are to be furnished, specify that the casements shall be divided into panes with rolled steel tee muntins. If leaded glass is to be furnished, refer to page 14 of International Cotswold Catalogue No. 14 for suitable specifications.

The screens shall be of standard sizes, as supplied by the INTERNATIONAL CASEMENT CO. INC., and shall be carefully packed and shipped separately. The screen frames shall be made from copper-bearing open hearth steel, $1 \times \frac{7}{16}$ in. and tubular in construc-



FULL SIZE SECTION

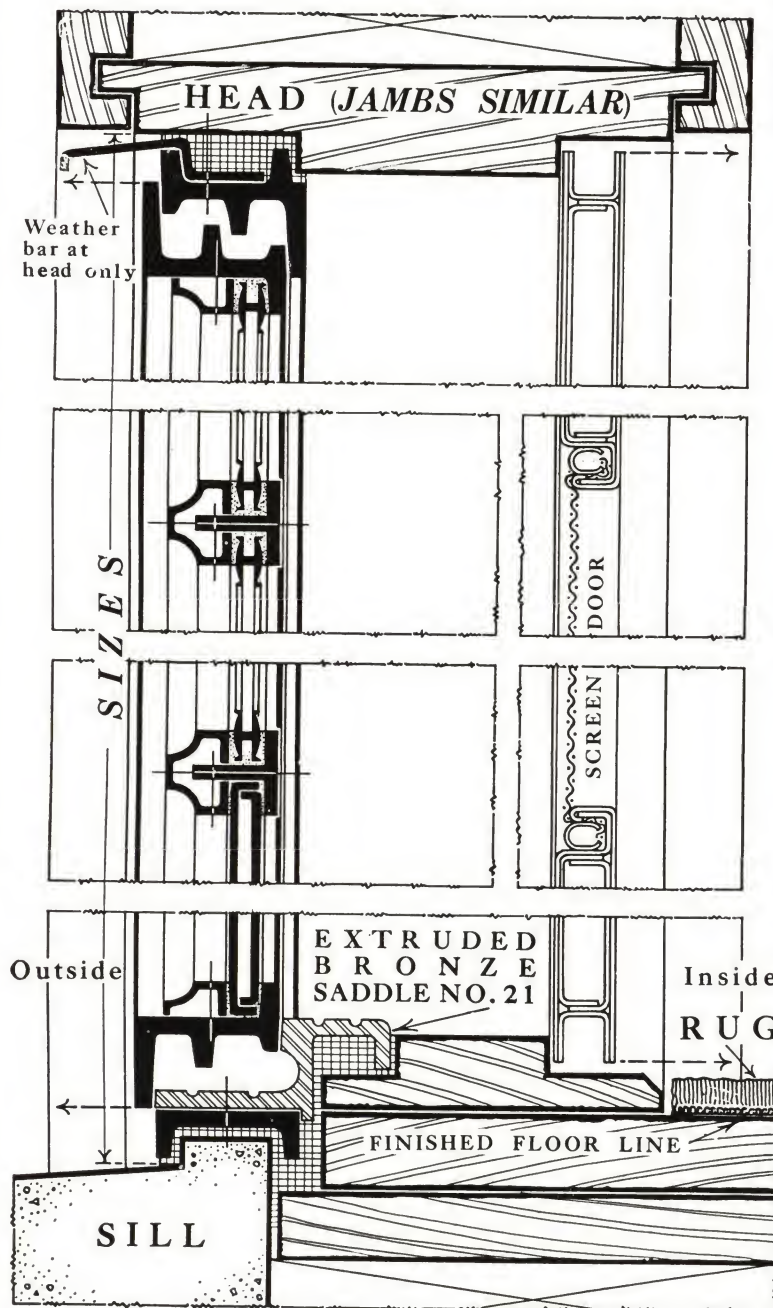
Maximum rebate including trim at head and jambs (dimension "X") $\frac{5}{8}$ in.; at sill (dimension "Y") $\frac{1}{2}$ in.

tion, strongly welded and reinforced at each corner, and galvanized after all cutting and abrasive operations have been completed. The screen cloth shall be standard weight Old English gauge 16-mesh anacoda bronze wire, easily re-wirable.

The setting of the casements shall be done by the casement manufacturer after plastering is completed. They shall be bedded and pointed inside and out in mastic cement, the whole finished in a workmanlike manner and guaranteed weathertight.

Note: For further information and details write for descriptive leaflet.

CASEMENT DOORS IN STANDARD SIZES



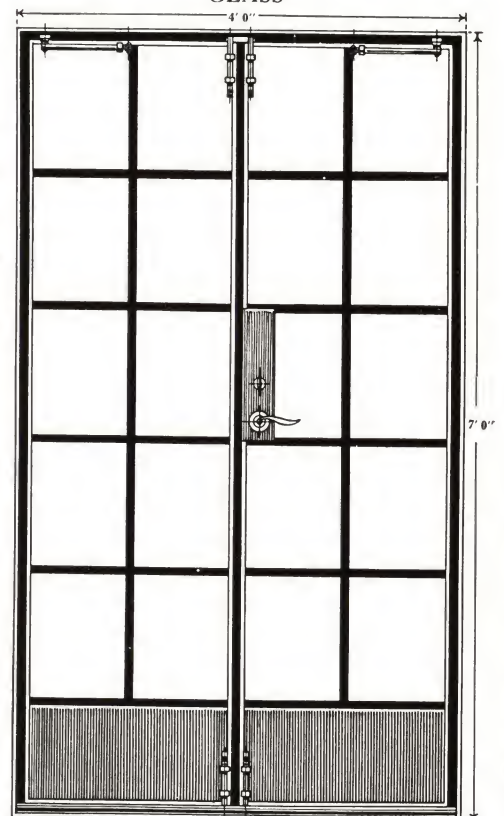
HALF FULL SIZE SECTION

Although these doors are made to open outwards or inwards, we do not recommend inswinging doors because of their unreliable weather-tight qualities under severe conditions. Outward opening doors, however, can be relied upon to give complete protection against all weathers even in the most exposed positions. For more complete details, specifications and photographs, please refer to our Catalogue No. 17.

In addition to the four doors shown on this page, we make Cotswold doors types "L" and "M," full descriptions of which appear in our No. 14 Catalogue.



TYPES "X" AND "Z" WITH LEADED GLASS



TYPES "W" AND "Y" WITH STEEL TEE MUNTINS

INTERNATIONAL CASEMENTS



RESIDENCE AT MOSCOW, PA.

Davis & Lewis—Archts.

LIST OF CATALOGUES

- | | |
|--|------------------|
| No. 7. International Casement Catalogue | (224 pages) |
| No. 13. International Austral Window Catalogue | (28 ") |
| No. 14. International Cotswold Casement Catalogue | (44 ") |
| No. 15. International Casements with "Biltin" Subframes | (20 ") |
| No. 16. International Screened Casements | (4 page leaflet) |
| No. 17. International Casement Doors in Custom
and Standard Sizes | (16 pages) |
| No. 18. International "Hopkins" Windows | (12 ") |

• INTERNATIONAL CASEMENT CO., INC. •
• JAMESTOWN • NEW • YORK •